

ABSTRACT

1 A transfer controller with hub and ports is viewed as a
2 communication hub between the various locations of a global
3 memory map. A request queue manager serves as a crucial part
4 of the transfer controller. The request queue manager
5 receives these data transfer request packets from plural
6 transfer requests nodes. The request queue manager sorts
7 transfer request packets by their priority level and stores
8 them in the queue manager memory. The request queue manager
9 processes dispatches transfer request packets to a free data
10 channel based upon priority level and first-in-first-out
11 within priority level.

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